EXODUS COLLEGE SCHOOL
END OF TERM THREE EXAMINATIONS
COMPUTER STUDIES
SENIOR ONE
TIME: 2Hours

INSTRUCTIONS

- The paper consists of three Sections A, B and C.
- Attempt all questions in Section A and B, with only ONE is Section C.
- Untidy work and unnecessary crossing will lead to loss of marks.

SECTION A (20 MARKS)

1. The keyboard was invented by an American newspaper publisher Christopher Latham Sholes in……………….
   - A: 1866
   - B: 1890
   - C: 1687
   - D: 1846

2. Evolution refers to the historical developments through which computers and technology have passed from the time they started to exist. Therefore the word evolution comes from the Latin word Evolvo which means…………….
   - A: Unroll
   - B: Evolution
   - C: Discovery
   - D: Develop

3. The abacus was built out of two decks, for computations to be done only beads dragged to the…………………..were counted.
   - A: Upper
   - B: Middle
   - C: Lower
   - D: Side

4. The primary calculator for engineers in the 19th and 20th centuries based on logarithms was called………..
   - A: The Napier’s bones.
   - B: The Slide Rule.
   - C: Blaise Pascal’s calculator.
   - D: Leibniz stepped reckoner.

5. The use of mechanical gears stopped in the…………………..era of computers.
   - A: Mechanical
   - B: Electronic
   - C: Electro- mechanical
   - D: First generation

6. The following are first generation computers except
   - A: UNIVAC
   - B: EDVAC
7. Computers can be categorized according to the process they use to represent data, therefore human speech is considered as……………
   A: Sound    C: Digital
   B: Analog    D: Hybrid

8. The following are classifications of computers by size except
   A: Mini computers   C: Desktop computers
   B: Microcomputers   D: Mainframe computers

9. The loyalty or faithfulness to a principled set of rules regarding computer use is referred to
   A: Computer Integrity    C: Computer Discipline
   B: Computer Ethics    D: Computer Accuracy

10. A bus that transfers the actual data bits in a computer is called
    A: Control bus    C: Address bus
    B: Data bus    D: Circuit bus

11. A chip that is used by the CPU to synchronize the timing of all computer operations is called…………..
    A: System clock    C: The Accumulator
    B: Clock speed    D: The timer

12. The process in which a storage device transfers data from memory to a storage medium is called
    A: Writing    C: Transferring
    B: Reading    D: Downloading

13. The maximum storage capacity of a Compact disc is
    A: 1.44MB    C: 700MB
    B: 4.7GB    D: 18GB

14. The universal keyboard set up used today is
    A: QWERTZ    C: GKOS
    B: QWERTY    D: AZERTY

15. Which of the following retains the information its storing when the power to the system is turned off
16. The fourth generation computers are based on
   A: Transistor  
   B: Integrated Circuit  
   C: VLSI microprocessor  
   D: ULSI microprocessor

17. The information stored in.........is erased when the computer is turned off
   A: ROM  
   B: RAM  
   C: BIOS  
   D: POST

18. Which of these stores more data than a DVD?
   A: CD ROM  
   B: Floppy  
   C: Blue Ray disc  
   D: Red Ray disc

19. The printed output from a computer is called
   A: Copy  
   B: Softcopy  
   C: Hardcopy  
   D: Paper

20. A computer input device similar to a mouse is
   A: Joystick  
   B: Trackball  
   C: Stylus  
   D: Barcode reader

SECTION B (60 MARKS)

21. a) Define the term “A keyboard”

b) State any three parts that make up a keyboard
   i.  
   ii.  
   iii.  

c) Write the use of the following keys in a computer

BACKSPACE
d) Write down any four keyboard shortcut keys that you are familiar with (04 mrks)
   i. ................................................................................................................
   ii. ................................................................................................................
   iii. ..............................................................................................................

22. a) Define the term “Hardware” (02 mrks)
   ................................................................................................................

b) Explain the four components of the Computer hardware giving examples. (08 mrks)
   ................................................................................................................
   Example ................................................................................................
   ................................................................................................................
   Example ................................................................................................
   ................................................................................................................
   Example ................................................................................................
   ................................................................................................................
   Example ................................................................................................
   ................................................................................................................

23. Identify the following computing devices and state the use of each (10 mrks)

<table>
<thead>
<tr>
<th>DEVICE</th>
<th>NAME</th>
<th>USE</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="DELETE" alt="Picture" /></td>
<td>DELETE</td>
<td></td>
</tr>
<tr>
<td><img src="CAPSLOCK" alt="Picture" /></td>
<td>CAPSLOCK</td>
<td></td>
</tr>
<tr>
<td><img src="Mouse" alt="Picture" /></td>
<td>Mouse</td>
<td></td>
</tr>
<tr>
<td><img src="Microphone" alt="Picture" /></td>
<td>Microphone</td>
<td></td>
</tr>
<tr>
<td><img src="Monitor" alt="Picture" /></td>
<td>Monitor</td>
<td></td>
</tr>
<tr>
<td><img src="Keyboard" alt="Picture" /></td>
<td>Keyboard</td>
<td></td>
</tr>
<tr>
<td>![Picture](Hard Drive)</td>
<td>Hard Drive</td>
<td></td>
</tr>
<tr>
<td><img src="Printer" alt="Picture" /></td>
<td>Printer</td>
<td></td>
</tr>
</tbody>
</table>
24. a) Differentiate between Computer Ethics and Computer Integrity

b) i) What is a computer laboratory?

ii) Mention any four ways of proper management of computers and their environments.

25. a) Explain the following statements as used in computer storage

b) A floppy disk has 1.44MB, Mr. Abembem has saved his work on a Compact disc of 700MB. How many floppy disks does he need to save his work.
26. a) Explain any two types of Random Access Memory (04mrks)

b) i) What is Cache memory? (02mrks)

ii) Mention any four features of Cache Memory. (04mrks)

a. .................................................................

b. .................................................................

c. .................................................................

d. .................................................................

SECTION C (20 MARKS)

27. State five characteristics of any four computer generations. (20mrks)

28. a) What is a computer? (02mrks)

b) Explain any seven characteristics of modern computers. (14mrks)

c) Name four reasons as to why we study computer. (04mrks)

29. a) Differentiate between Hardcopy and Softcopy (04mrks)

b) A printer is device that produces a hardcopy output such as text and graphics on a physical material like paper. Explain any two categories of printers. (04mrks)

c) Define the following terms as used in processing devices (08mrks)

i. Bus

ii. Hertz

iii. Power Supply

iv. Clock speed

d) Explain any two parts of the CPU. (04mrks)